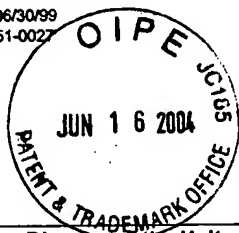


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Execution Date
Month Day Year

Name (line 1) Mark Buchanan

07/31/2003

Name (line 2)

Execution Date
Month Day Year

Second Party

Name (line 1) Melissa Koenig

07/31/2003

Name (line 2)

Receiving Party



Mark if additional names of receiving parties attached

Name (line 1) BorgWarner, Inc.

If document to be recorded
is an assignment and the
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States, an appointment
of a domestic
representative is attached.
(Designation must be a
separate document from
Assignment.)

Name (line 2)

Address (line 1) 3800 Automation Avenue

Address (line 2)

Address (line 3) Auburn Hills

Michigan

48326

City

State/Country

Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name Gerald E. McGlynn, III

Address (line 1) Bliss McGlynn, P.C.

Address (line 2) 2075 West Big Beaver Road

Address (line 3) Suite 600

Address (line 4) Troy, Michigan 48084

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Correspondent Name and Address

Area Code and Telephone Number

Name **BorgWarner, Inc.**

Address (line 1) **Powertrain Technical Center**

Address (line 2) **3800 Automation Avenue**

Address (line 3) **Suite 100**

Address (line 4) **Auburn Hills, Michigan 48326**

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If this document is being filed together with a new Patent Application, enter the date the patent application was

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1

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Gerald E. McGlynn, III

Name of Person Signing

Signature

August 5, 2003

Date

ASSIGNMENT

WHEREAS, we, Mark Buchanan of Rochester Hills in the County of Oakland and the State of Michigan, and Melissa Koenig of Howell in the County of Oakland and the State of Michigan, have jointly invented certain new and useful improvements in

METHOD OF CONTROLLING A DUAL CLUTCH TRANSMISSION

identified as BorgWarner, Inc. Case No. DKT03022 and described in a patent application executed by us on the 31st day of July 2003, and the 31st day of July 2003, respectively, (and we hereby authorized our attorney, A. Michael Tucker, to here insert the filing date and serial number of said application, as soon as it is known, Filed _____, Serial No. ____/_____) preparatory to obtaining Letters Patent of the United States therefor; and

WHEREAS, BorgWarner, Inc., a corporation duly organized and existing under and by virtue of the laws of the State of Delaware, and having a place of business at 3800 Automation Avenue, Auburn Hills, Michigan 48326-1786, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention or inventions and in, to and under Letters Patent therefor in the United States and all other countries.

NOW, THEREFORE, BE IT KNOWN THAT, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned, transferred and set over and by these presents do hereby sell, assign, transfer and set over to and unto said ASSIGNEE, its successors and assigns, the entire right, title, and interest in and to said invention or inventions and in, to and under the above identified application and all other applications for Letters Patent of the United States and for patents, utility models and other industrial property in all other countries for the above entitled invention or inventions, including any and all priority rights or dates pursuant to the provisions of any International Convention for the protection of industrial property; and in, to and under all Letters Patent that may be issued for said invention or inventions in the United States and all other countries, and in, to and under all divisions, reissues, continuations, and extensions thereof, and covenant that we have the full right so to do; and we hereby authorize and request the Commissioner of Patents to issue all United States Letters Patent on the invention or inventions included herein to said ASSIGNEE, as assignee of the entire interest, and we authorize said ASSIGNEE to file applications for patents, utility models and other industrial property based on said

KELLY A. LAI
NOTARY PUBLIC WAYNE CO., MI
MY COMMISSION EXPIRES May 22, 2007
ACTING IN OAKLAND COUNTY, MI

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 31 day of July 2003.

(L.S.) Melissa Koenig
Melissa Koenig

State of MICHIGAN)
)ss.
County of OAKLAND)

I, the undersigned, a Notary Public in and for the State and County aforesaid, do hereby certify that Melissa Koenig, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the same instrument as his free and voluntary act, for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunder set my hand and notarial seal this 31 day of July 2003.

Kelly A Lai
Notary Public

Notary Public

My Commission Expires:

KELLY A. LAI
NOTARY PUBLIC WAYNE CO., MI
MY COMMISSION EXPIRES May 22, 2007
ACTING IN OAKLAND COUNTY, MI